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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/730,935

12/10/2003

Tadayuki Sugimoto

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7142

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09/20/2010

BUCHANAN, INGERSOLL & ROONEY PC  
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ALEXANDRIA, VA 22313-1404

EXAMINER

MILIA, MARK R

ART UNIT

PAPER NUMBER

2625

NOTIFICATION DATE

DELIVERY MODE

09/20/2010

ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ADIPFDD@bipc.com  
offserv@bipc.com

## **DETAILED ACTION**

### ***Response to Amendment***

1. Applicant's amendment After Final was received on 8/13/10 and has been entered and made of record as no amendments to the claims have been made.

### ***Response to Arguments***

2. Applicant's arguments filed 8/13/10 have been fully considered but they are not persuasive.

The applicant asserts that Ackerman (US 2002/0171856) fails to disclose an image forming unit for forming images of said specific page before all of the unconverted constituent data of the document file have been received at the receiving unit. The Examiner respectfully disagrees as Ackerman does disclose such a feature. Particularly, Ackerman states that an input buffer **22** of printer **10** receives print data from external device **24** and stores the print data in a page buffer after it is rasterized, the page buffer **35** can be the size of entire page or less than an entire page and the print data from the page buffer **35** is communicated in real time to the print engine **36**. Since the page buffer can only store at most one page of the document to be printed, the print data sent to the print engine in real time would start printing a page of the document prior to receiving the entire document into the printer **10**. There is no

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language present in the claim that precludes the document data from being rasterized after it is received by the image forming device just prior to printing. Therefore the combination of Hohensee and Ackerman is seen to disclose all the limitations set forth in claim 1.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark R. Milia whose telephone number is (571)272-7408. The examiner can normally be reached M-F 8:00am-4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Moore can be reached at (571) 272-7437. The fax number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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